

Discoverability of Regulatory Rulebooks

Use of W3C Semantic Web standards to publish US and EU regulatory rulebooks

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Model-Driven Machine Executable Regulation

- Increasing interest from regulators and regulated firms
- Main beneficiaries are regulated firms, investors, and regulators
- Target state of publishing executable regulation
- Initial step of making content of rulebooks and regulatory communications discoverable

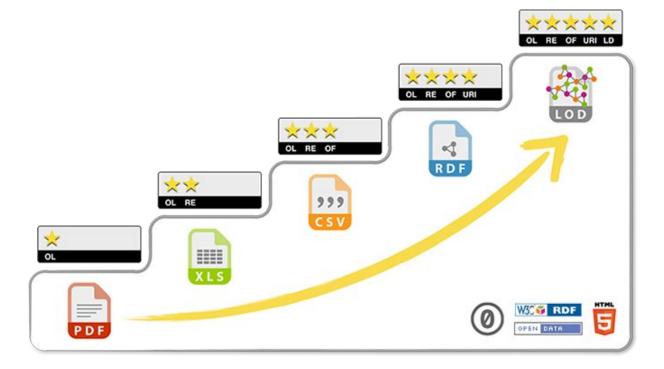


Discoverability of Data on the Web

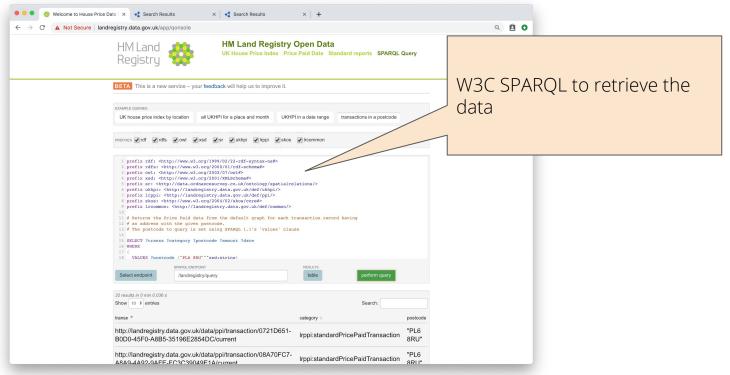
- W3C Linked Data standards such as RDF, RDFS, OWL and SPARQL
- Existing metadata and thesaurus standards such as DC, SKOS
- Newer ones to help with discoverability of datasets such as CSVW and DCAT



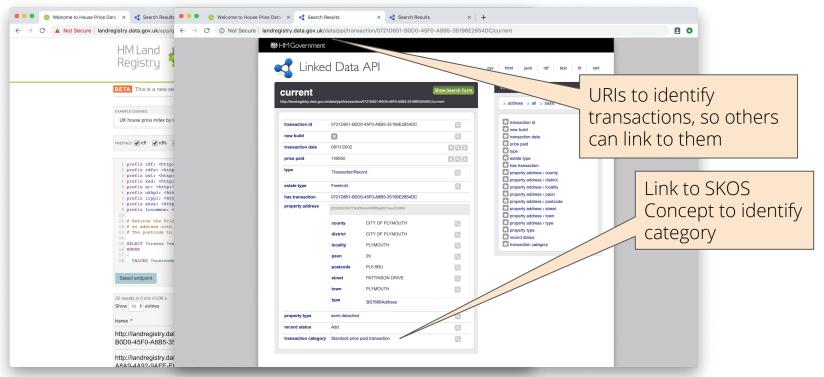
5-Star Linked Open Data



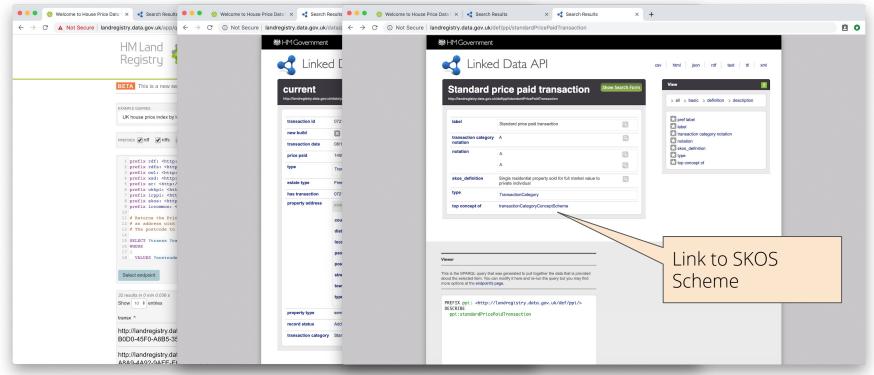
















Regulatory Rulebooks on the Web

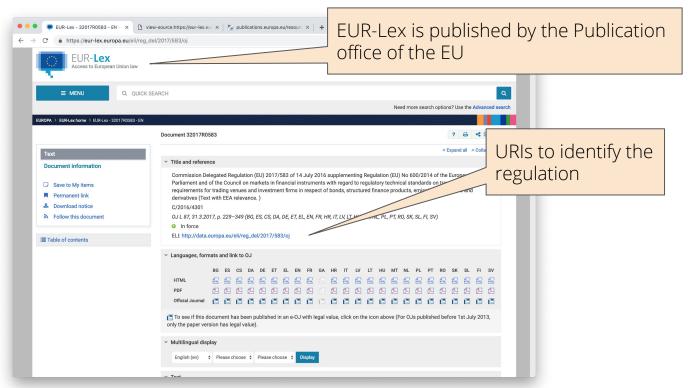
- Existing metadata and thesaurus standards such as DC, SKOS
- Existing legislation ontologies such as ELI, schema.org
- Existing schemas such as DLXS



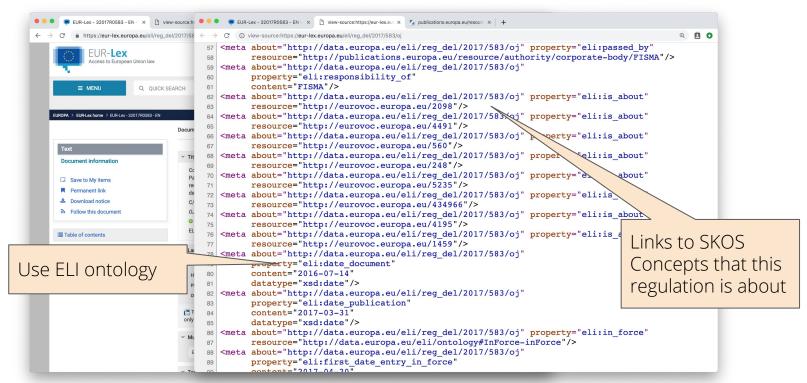
5-Star Linked Regulatory Rulebooks

- Reuse the original 5-star ranking
- Axis of granularity (none, document, section, paragraph, sub-paragraph)
- Axis of semantic richness (none, glossary, taxonomy, thesaurus, ontology)

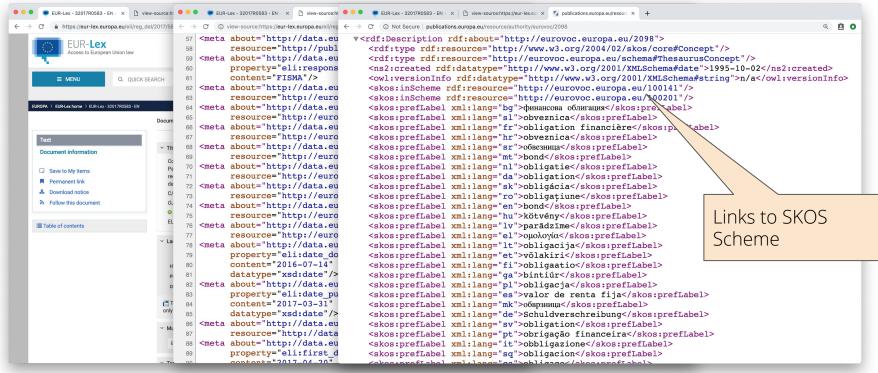






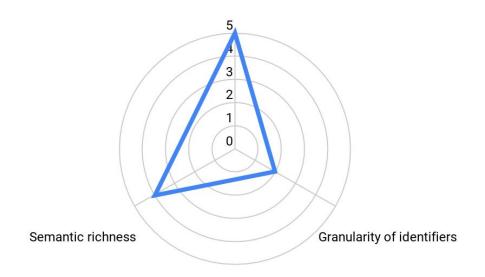




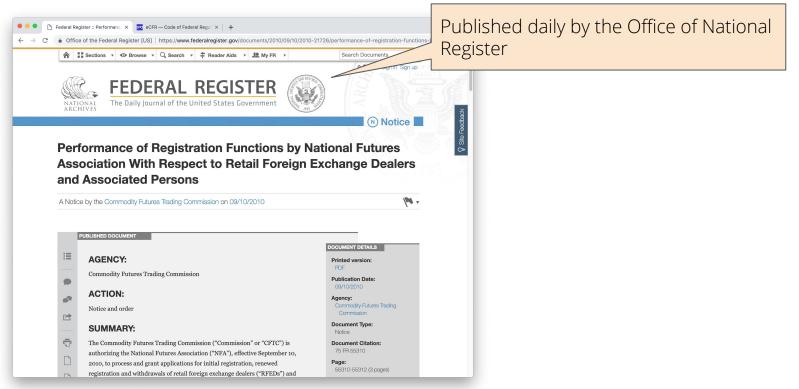




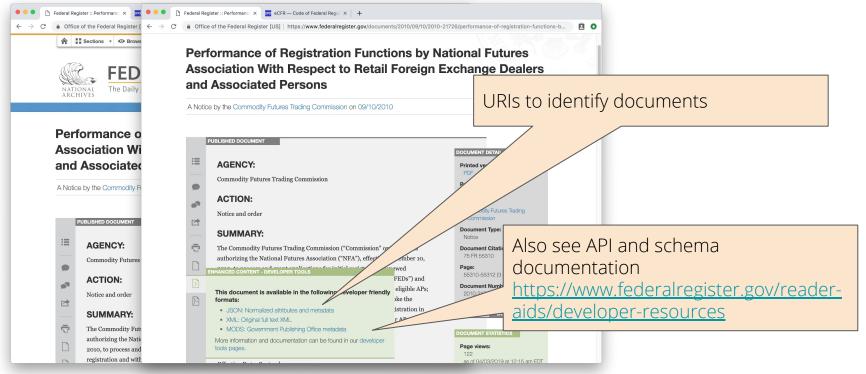
5 Star Linked Data



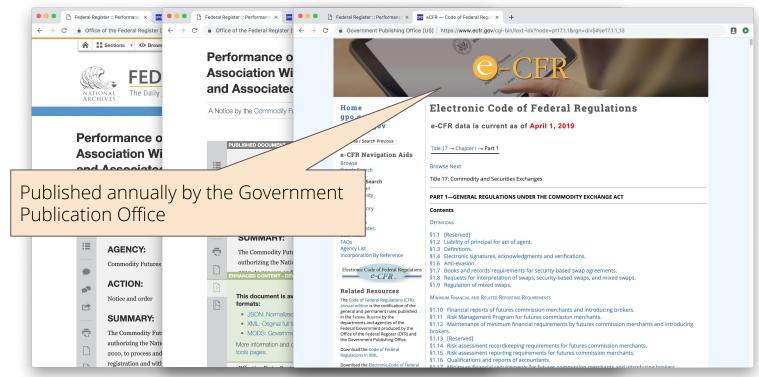


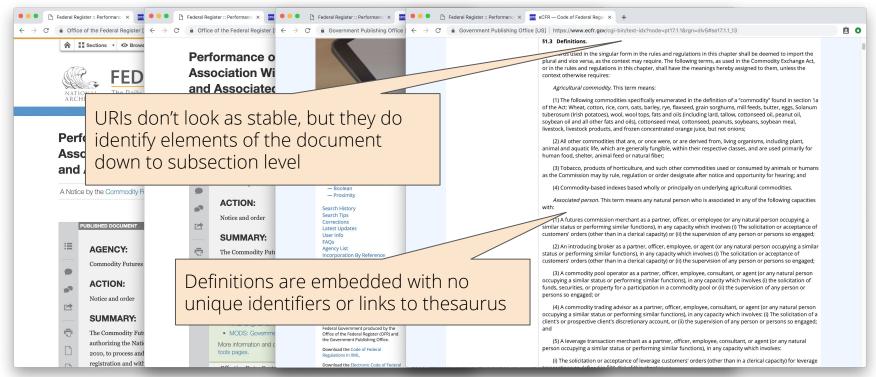






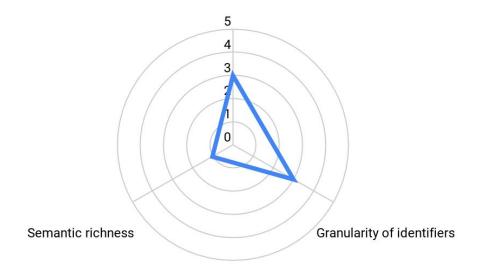






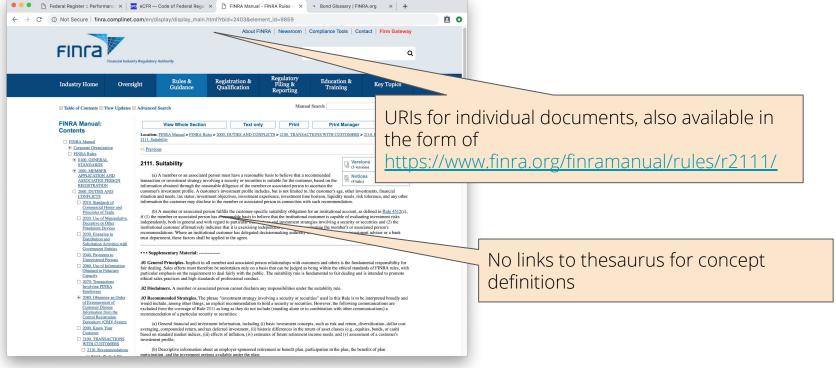


5 Star Linked Data





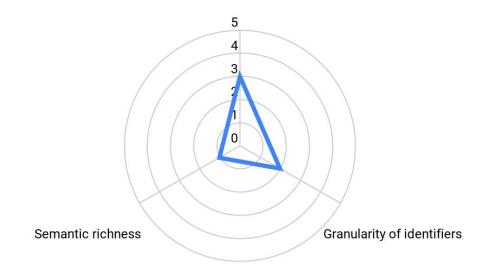
FINRA (US Self-Regulatory Organization)





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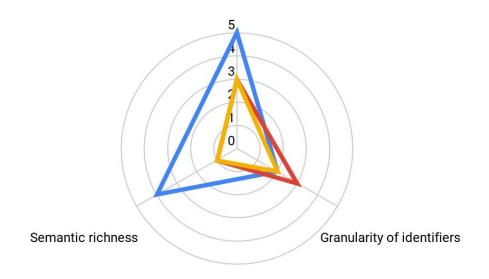
5 Star Linked Data





Tool to Drive Change

5 Star Linked Data





Q&A

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